ERIE COUNTY HEALTH DEPARTMENT AND
ERIE COUNTY COMMUNITY HEALTH CENTER

ANNUAL REPORT 2016
CONTACT INFORMATION

Hours of Operation
Monday – Friday 8:00 a.m. – 5:00 p.m.
Evening Hours Available By Appointment
419-626-5623  | www.eriecohealthohio.org

Service Numbers...............................................................419-626-5623
Primary Care and Clinic Services .......................................................... Ext. 174
Public Health Outreach Clinics .............................................................. Ext. 174
Epidemiology and Surveillance ............................................................... Ext. 141
Immunizations ....................................................................................... Ext. 174
Nurse Line ............................................................................................. Ext. 142
WIC ........................................................................................................ Ext. 137
Dental Clinic .......................................................................................... Ext. 218
Environmental Health ........................................................................ Ext. 115
Construction Services/Plumbing .......................................................... Ext. 206

Municipalities Served:
Three Cities: Sandusky, Huron, Vermilion
Five Villages: Berlin Heights, Castalia, Bay View, Milan, Kelleys Island

Erie County Health Department Administrative Staff.....419-626-5623
Peter T. Schade, MPH, RS ................................................................. Ext. 112
Health Commissioner Cell: 419-656-2796
Joseph Palmucci, CFO ........................................................................ Ext. 116
Chief Financial Officer
Robert England, MSOH, RS .............................................................. Ext. 102
Chief Environmental Public Health Officer
Shari Greene, RN .................................................................................. Ext. 132
Chief Health Planning Officer
Janet Mesenburg, RN ........................................................................... Ext. 138
Director of Public Health Nursing & Dental Services
Scott Thom, CBO ................................................................................. Ext. 206
Director of Construction Program Services
Jeanie Wertenbach ............................................................................... Ext. 172
Director of Community Health Services
Troy Chaffin, MPH ............................................................................... Ext. 203
Director of Finance and Administration
Heather Wescott, RN ........................................................................... Ext. 195
Director of Primary Care and Clinical Services
Craig Ward, RS .................................................................................... Ext. 118
Director of Environmental Health
“It shall be the purpose, function and goal of the Erie County General Health District to identify and plan the most effective use of health services available, to plan and implement programs and to provide needed services and resources for the prevention of illness, promotion of health and the improvement of health status within the health district.”
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MESSAGE TO THE COMMUNITY

2016, came and went, and with it, a new emerging health crisis has caused shifts in resources and expenditures and philosophical changes to our Erie County Health Department and Erie County Community Health Center.

Of course, the heroin/opiate addiction epidemic has truly gripped Erie County by the throat. The Erie County Health Department and Erie County Community Health Center has worked together with all of our community stakeholders to find solutions to end this misery.

Our solution is called the “Circle of Care.” This Circle of Care provides all of the essential pieces to enable an addicted individual to begin and remain in recovery. We have seen how important recovery is to once again yielding a productive and healthy person. These benefits go without further detail.

Coupled with addiction recovery, is our Erie County Health Department and Erie County Community Health Center services. We are providing top quality medical and dental care to all citizens who enter, and our traditional Erie County Health Department programs continue to address the needs of our community, from the regulated to the end user.

Our new “Regional Response Water Laboratory” is a key component for water testing of many kinds, here at the epicenter of Lake Erie’s Harmful Algal Blooms. This lab is a Regional Response. We are available 24 hours a day / 7 days a week to assist in decisions requiring water analysis. We are very proud of this lab and thanks to our Ohio General Assembly Representative and Senator for procuring the funding for this water lab.

Finally, we have expanded our dental facility to offer a fifth chair while also expanding our primary care with six new exam rooms and a new lobby that offers a more efficient visit to all.

We look to 2017 with great spirit, knowing that the Erie County Health Department and Erie County Community Health Center will continue to provide the services our community needs to thrive.

Consider this an open invitation to all who want to visit with us.

Thanks so much to everyone for their support.

Sincerely,

Peter T. Schade, MPH, RS
Health Commissioner
Erie County Health Department
(419) 656-2796 (Cell)
ERIE COUNTY BOARD OF HEALTH

The Erie County Board of Health is a separate body politic. The Board of Health and the Erie County Health Department are an independent agency operating under Ohio Revised Code and Ohio Administrative Code in Erie County, Ohio. The Erie County Board of Health members are appointed by the three principal cities and the Erie County District Advisory Council. The Board of Health in turn appoints the Health Commissioner. The purpose of the Erie County Board of Health is to define the organization’s target populations to be served, evaluate the accomplishments of the program plan, hire the executive officer (Health Commissioner), take a lead in the development of financial resources and represent the public interest.

Board of Health Members
Mrs. Linda Miller-Moore, President
Mrs. Nancy Thornhill, President Pro-Tem
Mr. George Steinemann
Dr. Dina C. Bauer, DPM
Mr. Richard Bulan
Dr. Marsha D. Cooper, MD
Mrs. Thelma Darden
Dr. Richard Keller, MD
Mr. Darwitt Garrett
Mr. Larry Holkenborg
Mr. Michael D. Kaufman, Esq.

Appointing Authority
District Advisory Council
City of Huron
City of Sandusky
City of Vermilion
District Advisory Council
City of Sandusky
City of Sandusky
City of Sandusky
City of Sandusky
District Advisory Council
District Advisory Council

Board of Health meetings are held on the last Tuesday of each month except the December meeting as posted, at 6:00 p.m. in the Erie County Health Department Board Room located at 420 Superior Street, Sandusky and are open to the public.

Erie County Board of Health serves the Erie County General Health District

- 11 Board members
- 5 appointed by the City of Sandusky
- 6 appointed by the District Advisory Council
- One of the first nationally accredited health departments by the Public Health Accreditation Board
- #38 out of 3,577
ERIE COUNTY COMMUNITY HEALTH CENTER BOARD

The Erie County Health Department is the Co-Applicant public entity with the Erie County Community Health Center.

Mission Statement:

“To provide affordable, quality, comprehensive primary and preventative health care across all life cycles in a patient centered medical home environment.”

The Erie County Community Health Center is a grant funded Federally Qualified Health Center with a Board of Directors consisting of ten members. The majority of board members are citizens of Sandusky, and are users of the Health Center.

Erie County Community Health Center Board

Mr. Timothy Horgan, MPH; President
Mrs. Melissa Hacker, Vice President
Ms. Flora Irby, Secretary
Mr. Robert Carter, Treasurer
Mr. Tim Betton
Mr. Nestor Rave
Mrs. Frankie Byrd
Mrs. Marva Jackson
Ms. Chris Ferguson
Mrs. Shelisa Johnson

Erie County Community Health Center Board meetings are held on the second Monday of each month, at 5:00 p.m. in the Erie County Health Department Board Room.
**THE 10 ESSENTIAL PUBLIC HEALTH SERVICES AND PUBLIC HEALTH ACCREDITATION**

Public Health Accreditation was developed to improve service, value, and accountability to stakeholders. Public Health Accreditation is based on a set of high standards, and is a system used for measuring health department attainment and performance against those standards. Accreditation is a method for recognizing the health departments who meet these high standards. The standards used for accreditation are comprised of 10 Essential Public Health Services. The 10 Essential Public Health Services were identified by the Centers for Disease Control as part of their National Public Health Performance Standards. The 10 Essential Public Health services are considered to be the activities that a public health agency must undertake in order to fully serve and support their community’s needs. Accreditation documents the ability of the health department to provide these services at a high level, and the assurance to the community that the essential services are provided.
1. Monitor health status to identify and solve community health problems.
2. Diagnose and investigate health problems and health hazards in the community.
3. Inform, educate, and empower people about health issues.
4. Mobilize community partnerships and action to identify and solve health problems.
5. Develop policies and plans that support individual and community health efforts.
6. Enforce laws and regulations that protect health and ensure safety.
7. Link people to needed personal health services and assure the provision of health care when otherwise unavailable.
8. Assure competent public and personal health care workforce.
9. Evaluate the effectiveness, accessibility, and quality of personal and population-based health services.
10. Research for new insights and innovative solutions to health problems.

ODH Profiles – Performance Database
The Ohio Department of Health Profile and Performance Database contains twelve domains that each local health department has to answer. These domains mirror the requirements of PHAB. This database demonstrates to the Ohio Department of Health what we are doing as an Agency. The Erie County Health Department has met 215 of the 215 standards.

Core Functions of Public Health
Example: Dental Clinic

**Assessment**
- Identified that access to oral health care is low in Erie County

**Policy**
- Developed policies to build, operate, and expand a dental clinic in Sandusky

**Assurance**
- Provide the community assurance by continuing to provide high quality oral health services, regardless of one’s ability to pay
Comparing the 2016 and 2017 Budgets

<table>
<thead>
<tr>
<th></th>
<th>2016 Budget</th>
<th>2017 Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel</td>
<td>$5,884,000</td>
<td>$6,960,000</td>
</tr>
<tr>
<td>Supplies</td>
<td>$663,000</td>
<td>$845,000</td>
</tr>
<tr>
<td>O/M &amp; Utilities</td>
<td>$299,000</td>
<td>$105,000</td>
</tr>
<tr>
<td>Fees</td>
<td>$353,000</td>
<td>$359,000</td>
</tr>
<tr>
<td>Travel/Training</td>
<td>$126,000</td>
<td>$140,000</td>
</tr>
<tr>
<td>Phone/Internet</td>
<td>$100,000</td>
<td>$111,000</td>
</tr>
<tr>
<td>Contracts</td>
<td>$521,000</td>
<td>$1,454,000</td>
</tr>
<tr>
<td>Detox Center</td>
<td>$0</td>
<td>$2,000,000</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>$7,946,000</strong></td>
<td><strong>$11,974,000</strong></td>
</tr>
</tbody>
</table>

Statutory Administrative Expenses

The Erie County Health Department is required by the State of Ohio statute to remit a portion of collected license and permit fees in mandated environmental health programs and a portion of sales of birth and death certificates of the Vital Statistics Department back to the Treasurer, State of Ohio. The remitted portion is recorded both as revenue and expense to the Agency. The following areas are programs in which a submittal back to the State is obligated.

<table>
<thead>
<tr>
<th>Program</th>
<th>License/Permit/Sales Revenue</th>
<th>Statutory Administrative Expense</th>
<th>Percentage of Revenue Remitted to the State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Protection</td>
<td>$370,393</td>
<td>$21,040</td>
<td>6%</td>
</tr>
<tr>
<td>Pools &amp; Spas</td>
<td>$41,494</td>
<td>$11,495</td>
<td>28%</td>
</tr>
<tr>
<td>Campground</td>
<td>$6,832</td>
<td>$1,760</td>
<td>26%</td>
</tr>
<tr>
<td>Private Sewage</td>
<td>$33,315</td>
<td>$1,680</td>
<td>5%</td>
</tr>
<tr>
<td>Private Water</td>
<td>$1,452</td>
<td>$92</td>
<td>6%</td>
</tr>
<tr>
<td>Solid Waste</td>
<td>$63,450</td>
<td>$60,000</td>
<td>95%</td>
</tr>
<tr>
<td>Vital Statistics</td>
<td>$194,079</td>
<td>$103,762</td>
<td>53%</td>
</tr>
</tbody>
</table>

Molly Mihaelek, Registrar  
Sherma Shoemo, Deputy Registrar
**Agency Levies**

- Three separate levies: .2, .3 and .5 mil
- $26.87 per year for the owner of a $100,000 house
- 18% of CY 2017 budget

<table>
<thead>
<tr>
<th>Year</th>
<th>FOR the Levy</th>
<th>AGAINST the Levy</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>67%</td>
<td>33%</td>
</tr>
<tr>
<td>2015</td>
<td>69%</td>
<td>31%</td>
</tr>
<tr>
<td>2013</td>
<td>67%</td>
<td>33%</td>
</tr>
<tr>
<td>2011</td>
<td>60%</td>
<td>40%</td>
</tr>
<tr>
<td>2010</td>
<td>62%</td>
<td>38%</td>
</tr>
</tbody>
</table>

### 2016 Revenue and Expenses

<table>
<thead>
<tr>
<th>REVENUE</th>
<th>EXPENSES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grants</strong></td>
<td><strong>Salaries, Benefits</strong></td>
</tr>
<tr>
<td>2,707,844</td>
<td>5,508,451</td>
</tr>
<tr>
<td>28.99%</td>
<td>65.39%</td>
</tr>
<tr>
<td><strong>Levies (2/10, 3/10, 5/10)</strong></td>
<td><strong>Contractual Services</strong></td>
</tr>
<tr>
<td>2,179,188</td>
<td>1,226,081</td>
</tr>
<tr>
<td>23.33%</td>
<td>14.55%</td>
</tr>
<tr>
<td><strong>Medicaid</strong></td>
<td><strong>Supplies</strong></td>
</tr>
<tr>
<td>1,336,395</td>
<td>346,068</td>
</tr>
<tr>
<td>14.31%</td>
<td>4.11%</td>
</tr>
<tr>
<td><strong>Contracts</strong></td>
<td><strong>Lab Fees &amp; Medications</strong></td>
</tr>
<tr>
<td>877,727</td>
<td>325,077</td>
</tr>
<tr>
<td>9.40%</td>
<td>3.86%</td>
</tr>
<tr>
<td><strong>Permits, Licenses</strong></td>
<td><strong>State Fees</strong></td>
</tr>
<tr>
<td>772,197</td>
<td>233,931</td>
</tr>
<tr>
<td>8.27%</td>
<td>2.78%</td>
</tr>
<tr>
<td><strong>Other Income</strong></td>
<td><strong>Equipment</strong></td>
</tr>
<tr>
<td>478,195</td>
<td>232,358</td>
</tr>
<tr>
<td>5.12%</td>
<td>2.76%</td>
</tr>
<tr>
<td><strong>Private Insurance</strong></td>
<td><strong>Maintenance</strong></td>
</tr>
<tr>
<td>334,315</td>
<td>186,783</td>
</tr>
<tr>
<td>3.58%</td>
<td>2.22%</td>
</tr>
<tr>
<td><strong>Program Fees</strong></td>
<td><strong>Travel &amp; Training</strong></td>
</tr>
<tr>
<td>332,748</td>
<td>148,602</td>
</tr>
<tr>
<td>3.56%</td>
<td>1.76%</td>
</tr>
<tr>
<td><strong>Vital Statistics</strong></td>
<td><strong>Other Expense</strong></td>
</tr>
<tr>
<td>194,079</td>
<td>108,589</td>
</tr>
<tr>
<td>2.08%</td>
<td>1.29%</td>
</tr>
<tr>
<td><strong>Medicare</strong></td>
<td><strong>Communications</strong></td>
</tr>
<tr>
<td>63,955</td>
<td>108,262</td>
</tr>
<tr>
<td>0.68%</td>
<td>1.29%</td>
</tr>
<tr>
<td><strong>Training Fees</strong></td>
<td><strong>Other Expense</strong></td>
</tr>
<tr>
<td>34,190</td>
<td>108,589</td>
</tr>
<tr>
<td>0.37%</td>
<td>1.29%</td>
</tr>
<tr>
<td><strong>State Subsidy</strong></td>
<td><strong>Communications</strong></td>
</tr>
<tr>
<td>30,626</td>
<td>108,262</td>
</tr>
<tr>
<td>0.33%</td>
<td>1.29%</td>
</tr>
</tbody>
</table>

9,341,459 100.00%
Grants

The Erie County Health Department aggressively searches out funding opportunities to supplement local resources. During 2016, ECHD applied for 38 grants and was awarded a total of 30 grants, for a success rate of 79%. Grants vary significantly in size and shape. Typically, grants that are awarded by the federal government support large programs with many deliverables that need to be met in order to obtain the funding. Grants that are awarded from the state government support smaller to mid-size programs that have fewer deliverables compared to federal grants. Finally, grants that are awarded from local funders support smaller projects with a specific focus on improving local conditions. During 2016, ECHD was awarded 30 grants that totaled over $3.5 million dollars.

<table>
<thead>
<tr>
<th>Grants fund programs and services that improve the quality of life for Erie County residents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2016 Grants Summary</strong></td>
</tr>
<tr>
<td>4 Local and other Non-Profit</td>
</tr>
<tr>
<td>15 State Grants</td>
</tr>
<tr>
<td>8 Federal Grants</td>
</tr>
<tr>
<td>27 Total</td>
</tr>
</tbody>
</table>
### 2016 Awarded Grants

<table>
<thead>
<tr>
<th>Title</th>
<th>Amount</th>
<th>Grantor</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Center Program</td>
<td>$ 650,000</td>
<td>US Dept. of Health &amp; Human Services</td>
<td>Renewal of activities for medical/dental Health Center, expand Outreach &amp; Enrollment activities.</td>
</tr>
<tr>
<td>Oral Health Expansion</td>
<td>$ 350,000</td>
<td>US Dept. of Health &amp; Human Services</td>
<td>Add dentist, dental staff and operator on Mobile Health Vehicle for school oral health program.</td>
</tr>
<tr>
<td>Strategic Investment in Health IT Enhancements</td>
<td>$ 45,911</td>
<td>US Dept. of Health &amp; Human Services</td>
<td>Delivery System Health Information Investment – to purchase population health software program for proper tracking of UDS and PCMH data.</td>
</tr>
<tr>
<td>Outreach &amp; Enrollment</td>
<td>$ 60,000</td>
<td>US Dept. of Health &amp; Human Services</td>
<td>Identify uninsured patients and assist them enrolling for health insurance.</td>
</tr>
<tr>
<td>Patient Centered Medical Home</td>
<td>$ 35,000</td>
<td>US Dept. of Health &amp; Human Services</td>
<td>Expand PCMH efforts/activities</td>
</tr>
<tr>
<td>Drug Free Communities</td>
<td>$ 125,000</td>
<td>US Dept. of Health &amp; Human Services</td>
<td>Implement environmental changes that prevent and reduce youth substance use &amp; improve community collaboration.</td>
</tr>
<tr>
<td>Lead Hazard Control Grant</td>
<td>$ 550,000</td>
<td>US Dept. of Housing &amp; Urban Development</td>
<td>Identify and control lead-based paint hazards in eligible housing to maximize protection of children under 6 years of age who are at greatest risk of lead poisoning.</td>
</tr>
<tr>
<td>Public Health Emergency Preparedness</td>
<td>$ 89,825</td>
<td>Ohio Dept. of Health</td>
<td>Develop and maintain PH emergency preparedness and disease surveillance and response at local level including regional coalition membership, local plans, training/exercises.</td>
</tr>
<tr>
<td>Reproductive Health &amp; Wellness</td>
<td>$ 60,000</td>
<td>Ohio Dept. of Health</td>
<td>Improve reproductive health &amp; family planning, establish Reproductive Life Plan, increase access to services for target population of adolescents and uninsured men and women.</td>
</tr>
<tr>
<td>Moms Quit For Two - Tobacco</td>
<td>$ 65,270</td>
<td>Ohio Dept. of Health</td>
<td>Implement Baby &amp; Me, Tobacco Free program</td>
</tr>
<tr>
<td>Beach Water Monitoring</td>
<td>$ 40,426</td>
<td>Ohio Dept. of Health</td>
<td>Assessment of water quality at bathing beaches in the county with public notification.</td>
</tr>
<tr>
<td>Child &amp; Family Health Services – Extension</td>
<td>$ 15,750</td>
<td>Ohio Dept. of Health</td>
<td>Perform ongoing CHA planning, implement wellness activities based on priorities.</td>
</tr>
<tr>
<td>Healthy Homes Lead</td>
<td>$ 10,000</td>
<td>Ohio Dept. of Health</td>
<td>Promotion of Lead Awareness Month (April 2016) in city of Sandusky.</td>
</tr>
<tr>
<td>Women, Infants, Children (WIC)</td>
<td>$ 708,532</td>
<td>Ohio Dept. of Health</td>
<td>All regular activities with emphasis on healthy weight reduction for those with greater than average weight gain in pregnancy, retention of eligible children 12-60 months.</td>
</tr>
<tr>
<td>Maternal Child Health Program</td>
<td>$ 90,000</td>
<td>Ohio Dept. of Health</td>
<td>Conduct nutrition and physical activity community needs assessment and implement Veggie U teacher training in local schools; develop a Safe Sleep outreach plan and participate in Cribs for Kids distribution.</td>
</tr>
<tr>
<td>Injury Prevention</td>
<td>$ 77,000</td>
<td>Ohio Dept. of Health</td>
<td>Prevent falls among older adults. Using coalition, conduct fall-risk assessments, implement exercise-based interventions, and home modifications.</td>
</tr>
<tr>
<td>Tobacco Use Prevention</td>
<td>$ 40,000</td>
<td>Ohio Dept. of Health</td>
<td>Promoting smoke free and tobacco free environments through assessment, intervention and policy-making activities with housing authority and government entities.</td>
</tr>
<tr>
<td>Safety Net Dental Care</td>
<td>$ 15,000</td>
<td>Ohio Dept. of Health</td>
<td>Provide comprehensive and emergency dental services for a targeted population of low income, uninsured, Medicaid clients, and those of childbearing age.</td>
</tr>
<tr>
<td>Mosquito Control</td>
<td>$ 13,474</td>
<td>Ohio Environmental Protection Agency</td>
<td>Mosquito trapping, educational/alertness door hangers, other previously unfunded activities.</td>
</tr>
<tr>
<td>Water Pollution Control Fund</td>
<td>$ 300,000</td>
<td>Ohio Environmental Protection Agency</td>
<td>Assist homeowners with fixing/replacing failed septic systems. Amount of monetary assistance is dependent on household income.</td>
</tr>
<tr>
<td>Minority Health Month</td>
<td>$ 3,000</td>
<td>Ohio Commission on Minority Health</td>
<td>Provide two opportunities for residents to attend an open-house style event, to tour facilities, learn about health services, make appointments, and ask questions.</td>
</tr>
<tr>
<td>Local Government Efficiency Program</td>
<td>$ 50,818</td>
<td>Ohio Development Services Agency</td>
<td>Planning, training and implementation of process efficiency programs – new employee orientation at ECHD.</td>
</tr>
<tr>
<td>Community Grant</td>
<td>$ 3,886</td>
<td>Wightman-Wieber</td>
<td>Purchase of a mobile Lead Analyzer piece of equipment, testing kits and initial lab license which enable screening for lead exposure in children, providing results within 5 minutes.</td>
</tr>
<tr>
<td>Babysitting</td>
<td>$ 3,206</td>
<td>Wightman-Wieber</td>
<td>To enable ECHD to offer the American Red Cross Babysitting Class to area youth.</td>
</tr>
<tr>
<td>Sandusky Wellness</td>
<td>$ 10,000</td>
<td>Sandusky City</td>
<td>Engage targeted residents in Healthy Lifestyles, a weekly wellness education and preventive health activities to address chronic disease prevention.</td>
</tr>
<tr>
<td>Community Health Worker</td>
<td>$ 20,000</td>
<td>Hospital Council of Northwest Ohio</td>
<td>Support a Community Health Worker position who will provide community outreach services to at-risk pregnant and parenting clients.</td>
</tr>
<tr>
<td>Evzio</td>
<td>$ 20,000</td>
<td>Kaleo</td>
<td>Obtain 200 units of Evzio (naloxone) product to distribute in community to those requesting to have this emergency drug available in event of suspected narcotic overdose of loved one.</td>
</tr>
<tr>
<td>Infant Mortality</td>
<td>$ 50,000</td>
<td>RCHN-CHF</td>
<td>Improve access to prenatal &amp; well-child care and update the Mobile Health Vehicle wrap and text message services for prenatal and pediatric clients.</td>
</tr>
<tr>
<td>Conference Training</td>
<td>$ 3,000</td>
<td>Association of Food &amp; Drug Officials</td>
<td>Small Project – support registration, travel and expenses related to attendance at NEHA convention for 2 EH staff.</td>
</tr>
<tr>
<td>Food Safety Inspection Officer Training</td>
<td>$ 20,000</td>
<td>Association of Food &amp; Drug Officials</td>
<td>Complete steps for Food Safety Standard #2 so that current EH staff become FISOs and newly hired EH staff begin steps toward FISO.</td>
</tr>
</tbody>
</table>

30 Awarded Grants: $3,505,098
The Erie County Community Health Center (ECCHC) is a FQHC (Federally Qualified Health Center), providing health care services to individuals in Erie County and the surrounding areas. The ECCHC serves as a patient centered medical home, providing primary care and a variety of additional healthcare services to patients with a focus on meeting the basic health care needs and informing, educating and empowering the community about health issues. The Health Center maintains an open-door policy, providing treatment regardless of an individual’s income or insurance coverage. All insurances, Medicare and Medicaid plans are accepted. All health center services and programs offered at the ECCHC are focused on wellness, disease prevention, health promotion, and chronic disease management.

The Erie County Community Health Center focuses on a Patient Centered Medical Home model of care. The Patient Centered Medical Home (PCMH) is an approach to providing comprehensive primary care, while enhancing care coordination with specialty care providers and resources. The Health Center mobilizes community partnerships to identify and solve health problems that are directly linked to the target area within Erie County’s Community Health Improvement Plan.
Service Hours by Appointment
Monday – Friday: 8:00 a.m. – 5:00 p.m.
Evening appointments are available

Health Center Services

• Breast and Cervical Cancer Program (BCCP) Partner
• Family Planning Services
• Flu Clinics for community members, businesses, employers and organizations
• Immunizations
• Individual Health Assessments and wellness programs for area businesses and employers
• Kelleys Island Public Health Clinic
• Lead Testing for Children and Adults
• Men’s Health Services
• Pediatrics
• Physicals-Work, School and Sports
• Primary Care (Family Practice)
• Pregnancy Tests
• Prenatal/Postpartum Care
• Preventative Care
• 12 Public Health Outreach Clinics
• Senior Clinics at Vermilion and Bayshore Towers
• Sexually Transmitted Infection (STI) Clinic
• Tuberculosis (TB) testing
• Travel Vaccine Clinic
• Women’s Health Services
• Dental Health Care (Comprehensive)
• Community Health Worker
• Certified Application Counselors (Insurance assistance)
• Vivitrol Injections for Alcoholism and Opioid Addiction

Susan Rice, MSN, WHNP-C and Julie Fantozzi, LPN
Women’s Health and Prenatal

Elizabeth Musolf, MSN, PNP-C, FNP-C
and Rachael Gilbert, LPN
Pediatrics
SERVICES WE PROVIDED IN 2016

Each year, the Erie County Community Health Center expands and grows, providing increased numbers of services to our community!

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>16,458</td>
<td>Number of Patient Visits to our Health Center</td>
</tr>
<tr>
<td>215</td>
<td>Number of Public Health Outreach Clinics</td>
</tr>
<tr>
<td>3,181</td>
<td>Number of Services Provided at Public Health Outreach Clinic Visits</td>
</tr>
<tr>
<td>942</td>
<td>Number of Public Health Outreach Clinic Visits</td>
</tr>
<tr>
<td>463</td>
<td>Number of Public Health Outreach Clinic Service Hours</td>
</tr>
<tr>
<td>1351</td>
<td>Number of Flu Shots Administered</td>
</tr>
<tr>
<td>443</td>
<td>Number of TB Tests</td>
</tr>
<tr>
<td>11,476</td>
<td>Number of Immunizations Administered</td>
</tr>
<tr>
<td>101</td>
<td>Number of blood lead tests</td>
</tr>
</tbody>
</table>

Erie County Community Health Center Services and Programs

- **Primary Care**
- **Oral Health Care**
- **Mobile Health Vehicle**
- **Behavioral Health Services**
Traveler’s Health - Our Area’s Only Provider of Travel Vaccines

All individuals planning to travel outside of the county can call and speak with a member of the immunization staff at the Erie County Community Health Center. These professionals will assist in determining the protection needed for visiting any area of the world and can set-up an appointment to receive the recommended or required vaccines. These vaccines are recommended to protect travelers from illnesses present in other parts of the world and to prevent the importation of infectious diseases across international borders. The vaccinations required for travelers are dependent upon several factors such as the destination, seasons of the year, duration of stay, and whether time will be spent in rural areas. The Erie County Community Health Center is an approved Yellow Fever Vaccination Center and can assist and provide you with all of your travel vaccine needs.

Flu Clinics

The Centers for Disease Control and Prevention (CDC) recommends that all individuals age six months and older receive a flu vaccine each year. Flu is a contagious respiratory illness caused by several strains of flu viruses. It can cause mild to severe illness, and at times can lead to death. Some people are at higher risk for serious flu complications. This includes young children, pregnant women, and adults 65 years and older, or anyone with certain chronic medical conditions (such as asthma, diabetes or heart disease).

The best way to prevent the flu and protect yourself is to get vaccinated each year. The Erie County Community Health Center provided flu vaccines throughout the county at our Public Health Outreach Clinics, main campus, schools, churches, senior centers and numerous businesses and organizations in our community. During 2016-2017 flu season, the Erie County Community Health Center provided the quadrivalent flu vaccine to provide greater protection against four strains of the influenza virus. In addition, the high dose flu vaccine was provided to all individuals age 65 and older to provide greater protection from the flu virus for our senior population.

If your friends and family ask you about the best way they can protect themselves from the flu please let them know that getting their flu shot is still an important step in preventing the flu. Washing your hands frequently and thoroughly and staying away from others who are sick are important preventative measures. Remember, “Cover your Cough!”

Shelly Burdue, RN, Nicole Ziegler, RN, Jane Ehrnsberger, RN
Your Immunization Experts
Oral Health Services

Dental Clinic Program - The Erie County Community Health Center provides dental health care services to Erie County residents and surrounding communities of the region. These residents are able to establish a dental and medical home for ongoing and preventative oral health and primary care services. The Erie County Community Health Center is committed to improving the overall health of the underserved population and assuring care for current and future health center patients.

Throughout 2016, dental staff participated in multiple community outreach events such as the Give Kids a Smile program. This nationally recognized program takes place annually to help children in need of dental care and access to quality oral health care. The outreach programs educate and inform our community about the importance of a dental visit by a child’s first birthday and providing a dental home for those most in need.

Oral Health Services Mobile Health Vehicle

Community outreach and oral health education is an integral part of our dental program. The goal is to increase oral health services, education and prevention programs targeted toward increasing optimal oral health care services for our community.

In 2016, we received an oral health expansion grant from Health Resources and Services Administration (HRSA). The funding provided the opportunity to expand our outreach efforts, hire another dentist and support staff. Also, this funding provided an additional dental room in our health center and transformed our Mobile Health Vehicle (MHV) into a mobile dentistry unit. Look for us out in the community and at area schools.

Erie County Community Health Center Dental Providers

Edward Norton, DDS  Douglas Smith, DDS  Jinbo Chung, DMD  Timothy Bartholomew, DDS
Health Center Recognition and Quality

**May 2016** The Health Resources and Services Administration (HRSA) Bureau of Primary Care completed a three day on-site review and survey of the Erie County Community Health Center. The Operational Site visit served as an assessment and verification of the Health Center’s compliance with the statutory and regulatory requirements of the Health Center program as well as a review of the Health Center’s clinical and financial performance. The ECCHC successfully demonstrated compliance with 19 of 19 program standards. This achievement is outstanding and recognizes the ECCHC as a leader among health centers within the state of Ohio and nationwide.

**July 2016** The ECCHC was recognized by the Ohio Association of Community Health Centers as a top performer in the quality measures of (1) Cervical Cancer Screening (2) Management of patients with a Hg A1C of <8 percent and (3) Entry into prenatal care during the first trimester.

**September 2016** The ECCHC was recognized by the Ohio Association of Community Health Centers as a top performer in the quality measures of (1) Healthy birth weight of newborns and (2) Prenatal care.

Members of the ECCHC’s Dental team served on the expert panel of Dental Practices in Ohio’s Federally Qualified Health Centers who have implemented patient centered care and integrated Oral Health and Primary Care through the screening of blood pressure in dental patients.

Public Health Outreach Clinics

The Erie County Community Health Center provides services to our community throughout Erie County at these 12 convenient locations. These services link people to needed personal health services and assure the provision of healthcare when otherwise unavailable. Visit our website www.eriecohealthohio.org for the Public Health Outreach Clinic schedule. Public Health Outreach Clinic services are provided by appointment. Call the Erie County Community Health Center at 419-626-5623 Ext. 174 to schedule an appointment at a location near you.

<table>
<thead>
<tr>
<th>Bay View Village Hall</th>
<th>Berlin Township Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florence Township Hall</td>
<td>Groton Township Hall</td>
</tr>
<tr>
<td>Huron Township Hall</td>
<td>Kelleys Island Public Library</td>
</tr>
<tr>
<td>Margaretta Township Hall</td>
<td>Milan Village Administration Offices</td>
</tr>
<tr>
<td>Oxford Township Hall</td>
<td>Perkins Township Hall</td>
</tr>
<tr>
<td>Vermilion Township Hall</td>
<td>Vermilion on the Lake</td>
</tr>
</tbody>
</table>
Healthcare Services provided at all sites include:

<table>
<thead>
<tr>
<th>Infant Immunizations</th>
<th>Information and Referral Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adolescent Immunizations</td>
<td>Adult Immunizations</td>
</tr>
<tr>
<td>Travel Immunizations (with Advance Notice)</td>
<td>Hemoglobin A1C Screening</td>
</tr>
<tr>
<td>Blood Pressure Screening</td>
<td>Blood Lipid Profiles</td>
</tr>
<tr>
<td>Blood Glucose Screenings</td>
<td>Child and Adult Lead Screenings</td>
</tr>
<tr>
<td>Height/Weight/BMI Screenings</td>
<td>Individual Health Assessments</td>
</tr>
<tr>
<td>Health Referrals</td>
<td>Healthy Lifestyle and Safety Education</td>
</tr>
</tbody>
</table>

Outreach and Enrollment – Connecting Our Community to Healthcare Coverage Resources

The Erie County Community Health Center and several area partners are assisting individuals through outreach activities and strategies to access many of the new healthcare benefits available and to navigate the processes to become enrolled in Medicaid, Medicare, Marketplace Insurance Plans or Employer offered plans. Assistance with these applications are processed by one of our two Certified Application Counselors here on staff. The counselors are available by appointment here at the Erie County Community Health Center. This is a free service to anyone in the community.

- Need to enroll in healthcare coverage through Medicaid or the Marketplace?
- Need help understanding your current insurance coverage?
- Have questions about Medicare coverage?
- Call to schedule your free appointment with our Certified Application Counselors!

Presumptive Eligibility for Medicaid | Medicaid Enrollment | Marketplace Enrollment | Insurance Questions and Assistance
--- | --- | --- | ---
112 | 213 | 67 | 336
Community Health Worker - The area’s only certified Community Health Worker

The Erie County Health Department (ECHD) and Erie County Community Health Center (ECCHC) have made a commitment to improving futures for healthy babies. Reducing infant mortality and improving birth outcomes is a top priority. Part of this commitment includes a new position for 2016 at the agency. A Community Health Worker (CHW) is a front line public health worker who serves as a liaison or intermediary between health and social services and the community to facilitate access to services. In the state of Ohio, CHW are certified through the Board of Nursing. The ECHD and ECCHC Community Health Worker’s focus is on creating connections between pregnant women and healthcare systems. The CHW will:

- Provide support for women during their pregnancy and one year postpartum
- Assist with managing care and care transitions
- Assist with eligibility and enrollment into health insurance plans
- Provide culturally appropriate health education on topics related to a pregnancy, childbirth and infant health and safety.
- Advocate for pregnant women to receive appropriate services
- Providing informal counseling
- Provide services including advocacy, outreach and education

The goals are to connect pregnant women to prenatal care as early as possible and to support, educate and refer them to appropriate resources during the pregnancy to reduce barriers to care. This is a critical time for pregnant women and their babies. This care coordination is imperative to assure that those women of greatest risk are connected to quality care and interventions.

The Erie County Health Department and Erie County Community Health Center’s certified Community Health Worker is Whitney Johnson. Whitney can be reached at 419-626-5623 Ext. 113 during regular business hours.

In less than six months, Whitney has helped 125 pregnant women and their families!
Infant Mortality Prevention and Improving Futures for Healthy Babies

The Erie County Community Health Center (ECCHC) served as the catalyst to lead initiatives to reduce the area’s infant mortality rate and improve birth outcomes. With support and a funding grant from the RCHN Community Health Center Foundation, a healthcare summit for the region was presented by the Erie County Health Department and Erie County Community Health Center on April 11, 2016 at the Kalahari Convention Center. This conference was attended by greater than 200 local, regional and state healthcare professionals and community partners with a common interest and desire to improve birth outcomes, prevent prematurity and promote healthy babies. Senator Sherrod Brown served as the keynote speaker and recognized the efforts of the Erie County Community Health Center to promote the health of babies and reduce infant death. Additional sessions presented by professionals in the state who are leaders in this initiative included topics that are serving as promising practices to reduce infant mortality statewide.

The ECCHC leads the regional Steering Committee to continue efforts in our area to reduce prematurity, infant mortality and improve birth outcomes. This Steering Committee is comprised of local and regional partners and healthcare professionals working together to improve the health of our youngest population.

The ECCHC hired this area’s first Certified Community Health Worker to implement the Pathways HUB care model to connect at-risk pregnant women to medical care, remove social barriers, and provide health education through regular home visits to improve birth outcomes.

The ECCHC, with special funding from the RCHN Community Health Center Foundation, commissioned and released the special multi-county assessment of “Women of Childbearing Age” to identify factors that are influencing the area’s infant mortality rates.

Following the summit, the ECCHC leads the regional Steering Committee to continue efforts in our area to reduce prematurity, infant mortality and improve birth outcomes. This Steering Committee is comprised of local and regional partners and healthcare professionals working together to improve the health of our youngest population.

The ECCHC and the Health Center’s Certified Community Health Worker, through funding provided by the Ohio Department of Health Maternal and Child Health grant, serve as a Cribs for Kids® partner for families in need of a safe sleep environment for their newborn. In addition, it presents the “Baby and Me Tobacco Free” program to expectant mothers in the area to promote smoking cessation during pregnancy and after the birth of the newborn.
**Opioid Overdose Epidemic**

Our nation is in the midst of an unprecedented opioid epidemic. More people died from drug overdoses in 2015 than in any year on record in the state of Ohio. In Ohio alone, the number of unintentional drug overdose deaths of Ohio residents totaled 3,050. In Erie County, the rate is 23.3 per 100,000 population. This is the highest percentage of unintentional drug overdose deaths in comparison to other surrounding counties.

Quickly responding to an opioid overdose with the lifesaving reversal drug Naloxone (Narcan) is critical in preventing these deaths. The federal grant, Rural Opioid Overdose Reversal (ROOR) funds our project titled “Saving Lives Erie County.” This project provides training on recognizing signs and symptoms of an overdose, responding, and how to administer Naloxone. The training provides a **FREE** Naloxone kit to those participating.

**Saving Lives Erie County / Deaths Avoided With Narcan (DAWN)**

This training has been provided to area law enforcement officers, emergency medical personnel, family members of those at risk for overdose, area recovery center employees, participants of the area’s Recovery Walk, as well as members of area counseling services and our county Adult Probation agency. Currently we have established a Narcan (Naloxone) training and distribution site located at the Artisan’s Recovery Center in downtown Sandusky. This training is provided on a monthly basis and is open to those who have the potential to witness an overdose.

In addition to Narcan training, education has been provided to youth groups in our community as well, making them aware of the dangers of this epidemic. The Erie County Health Department has also participated in local Forums and partnered with many local agencies to combat this epidemic from every angle.

<table>
<thead>
<tr>
<th>Number of first responders trained and received Narcan:</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
</tr>
<tr>
<td>294</td>
</tr>
<tr>
<td>98</td>
</tr>
<tr>
<td>44</td>
</tr>
<tr>
<td>407</td>
</tr>
</tbody>
</table>

**226** Lives saved since the inception of the Narcan program
Behavioral Health

- Medically Supervised Detoxification
- Will be accepting patients in 2017
- Located on the health department campus
- With convenient access to all other services

Detox Blueprint

In 2017, we will be the nation’s only public health agency to have a:

- Medically supervised detox facility
- Federally qualified health center
- Fully accredited health department
Circle of Care

Circle of Care is a unique initiative that supports individuals seeking to help those struggling with addiction. This program helps with the treatment, counseling, employment and recovery housing, which are all critical pieces in successful recovery. Individuals heal and learn to cope in their path to recovery through counseling, intensive outpatient treatment, specialized support groups, crisis intervention, case management and community outreach support and referrals.

The Circle of Care provides a framework for partnerships between the medical community, law enforcement, judges, families, counseling services and others to achieve recovery for individuals with addiction.

Behavioral health services within the Circle of Care provide the continuum of services that promote an integrated holistic care approach in meeting the needs of individuals with substance abuse and mental health issues. The outpatient substance abuse disorder treatment services are provided by Northern Ohio Recovery Association (NORA) located at the Erie County Community Health Center.

Genesis by the Lake, a sober living community, is one part of the Circle of Care. Recovery housing supports sobriety by providing a safe drug and alcohol free living environment for individuals to build a foundation for lifelong recovery.
DIVISIONS & SERVICES

Public Health Nursing
- School Nursing
- Institutional Nursing
- Saving Lives Erie County
- Children with Medical Handicaps

Community Health
- Health Promotion & Education
- Partners for Prevention
- Injury Prevention
- Community Health Improvement Plan

Construction
- Plumbing Inspections
- Healthy Homes
- Lead Paint Remediation
- Manufactured Home Installation Inspections

Environmental Health
- Food
- Beaches
- Pools
- Tattoos
- Sewage
- Campgrounds
- Rabies
- Solid Waste
- Vector Control

Office of Administration
- Financial planning
- Birth/Death Certificates
- Strategic Planning
- Quality Improvement
- Performance Management
- Human Resources
- Information Technology

Erie County Community Health Center
DIVISION OF PUBLIC HEALTH NURSING

Our nurses spend a majority of their time monitoring the health and well-being of the people they care for. Their assessment and referrals help to diagnose different health problems occurring in our urban and rural communities. They spend time educating and informing clients and their families with regard to many health issues that could be affecting their daily lives. They are a strong link between the community and the healthcare field. Many of these nurses mobilize peers in their work places to improve health and wellness while they are making sure to provide proper care on a day to day basis. The nurses are constantly evaluating the effectiveness, accessibility and quality of services.

School Nursing Program

In the typical school population, students have health concerns such as seizures, asthma, diabetes, severe allergies (food and environmental), infections, injuries, and emotional difficulties related to these health conditions that may lead to absences from school and, in some cases, academic failure if left unattended or not addressed properly.

The school nurses' assessments and referrals help to diagnose different health problems occurring in our community. They spend time educating and informing students and their families with regard to many health issues that could be affecting their daily lives.

Our nurses do many different types of health education and counseling that promote healthy activities and lifestyles. They also assist in providing an overall safe school environment. School nurses involve parents, school staff and the community into the health and well-being of their students. When necessary, school nurses train and delegate nursing tasks to appropriate staff in order to care for the school district as efficient as possible. School nurses are an integral part of the team who work to improve the well-being of school aged children.

School Nursing Program Staffing

<table>
<thead>
<tr>
<th>School District</th>
<th>Hours per Week</th>
<th>Days per Week</th>
<th>Staff (Nurse)</th>
<th>Students Seen</th>
<th>Medications Given</th>
<th>Vision Screenings</th>
<th>Hearing Screenings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edison Local Schools</td>
<td>25</td>
<td>5 (M-F)</td>
<td>1 RN</td>
<td>2703</td>
<td>348</td>
<td>519</td>
<td>510</td>
</tr>
<tr>
<td>EHOVE</td>
<td>37.5</td>
<td>5(M-F)</td>
<td>1 RN</td>
<td>2876</td>
<td>1243</td>
<td>12</td>
<td>260</td>
</tr>
<tr>
<td>Huron Local Schools</td>
<td>47.5</td>
<td>5(M-F)</td>
<td>2 RNs</td>
<td>5950</td>
<td>1198</td>
<td>855</td>
<td>832</td>
</tr>
<tr>
<td>Huron St. Peter</td>
<td>1.5</td>
<td>1</td>
<td>1 RN</td>
<td>170</td>
<td>N/A</td>
<td>158</td>
<td>158</td>
</tr>
<tr>
<td>Kelleys Island Local Schools</td>
<td>As needed</td>
<td>As needed</td>
<td>1 RN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Margaretta Local Schools</td>
<td>35</td>
<td>5(M-F)</td>
<td>1 RN</td>
<td>6553</td>
<td>1502</td>
<td>784</td>
<td>523</td>
</tr>
<tr>
<td>Northpoint (Classrooms in Huron, Erie, and Ottawa Counties)</td>
<td>32</td>
<td>Varies</td>
<td>1 RN</td>
<td>2,211</td>
<td>270</td>
<td>315</td>
<td>N/A</td>
</tr>
<tr>
<td>Vermillion St. Mary's</td>
<td>4hrs/wk</td>
<td></td>
<td>1 RN</td>
<td>120</td>
<td></td>
<td>110</td>
<td>110</td>
</tr>
<tr>
<td>Vermillion Local Schools</td>
<td>80</td>
<td>5 (M-F)</td>
<td>1 LPN</td>
<td>13230</td>
<td>3250</td>
<td>748</td>
<td>725</td>
</tr>
</tbody>
</table>
Children with Medical Handicaps (CMH) Program
This program was formally known as the Bureau for Children with Medical Handicaps Program. The program serves children with special health needs and their families. The Children with Medical Handicaps Program pays for certain services for children who have specific chronic physical conditions/illnesses.

The Children with Medical Handicaps Program nurse will help to evaluate families to determine if a child has an eligible condition and assists with applying for these programs. In addition, the nurse will monitor the health status of the child throughout the year. The Children with Medical Handicaps Program nurse also serves as a resource for the families and assists to link them to other needed personal health services. Currently, there are 96 families within Erie County receiving services from the Children with Medical Handicaps Program.

For more information, call the Erie County Health Department at 419-626-5623 and ask for the Children with Medical Handicaps Program nurse.

Erie County Institutions- Juvenile Justice Center / Erie County Jail
The Nursing Division of the Erie County Health Department provides nursing care to the youth at the Erie County Juvenile Justice Center and the Northern Ohio Community Correctional Center, as well as the adults at the Erie County Jail.

Nurses in the institutional setting must be able to plan, organize, prioritize and coordinate work assignments. These nursing services include: health assessments, monitoring progress and response to medical treatment, administration of prescribed medications, identification of medical needs, emergency care management, and health promotion and education.

### Erie County Jail

<table>
<thead>
<tr>
<th>Year 2016</th>
<th>Number of Inmates Served</th>
<th>Number of Sick Visits</th>
<th>Number of Inmates Treated for Drug / Alcohol Withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50,906</td>
<td>7590</td>
<td>1,540 (this is an increase of 1,474 from last year)</td>
</tr>
</tbody>
</table>

### Juvenile Justice Center

<table>
<thead>
<tr>
<th>Year 2016</th>
<th>Number of Residents Served</th>
<th>Number of Sick Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>27,950</td>
<td>2,987</td>
</tr>
</tbody>
</table>
DIVISION OF COMMUNITY HEALTH

Established by the Board of Health in 2006, in order to improve the health status of residents of Erie County, the Community Health Division has evolved over the last ten years to meet the needs of the department and the health needs of the community. With a population health focus, the Division leads and or participates in multiple collaborative initiatives including the Erie County Community Health Assessment, the Erie County Community Health Improvement Plan (Erie County Chooses Healthy Living), Local Conversations on Minority Health and the Partners for Prevention of Erie County.

As resources, at times, can be limited, community partnerships are vital to solving community health challenges. By working together, the department has been successful in linking people to needed health information and services. Through education and collaboration, the Community Health Division has played an integral part in informing and educating individuals about health issues, promoting services and available resources.

In 2016, the staff conducted a broad range of health promotion strategies designed to promote healthy lifestyle choices. Health promotion efforts were planned to encourage healthy behaviors which reduce the risk of chronic disease, injury and death. The Community Health Division staff reached over 8,000 individuals through outreach events and programs.

2016 Highlights in Community Health

• The Erie County Community Health Assessment Report was released to the community in February 2016 with over 80 community stakeholders attending the release and feedback forum held at the Sandusky State Theatre. Top health issues and their impact on individuals and the community as a whole were highlighted and discussed.

• The Erie County Chooses Healthy Living Steering Committee met monthly, working toward finalization of a comprehensive Community Health Improvement Plan addressing the top health concerns of the community.

• Local conversations were held discussing steps to reduce health disparities in the minority community which ultimately resulted in the re-convening of a local minority health task force.

• Babysitter Training classes were held quarterly, training youth in pediatric CPR/First Aid/AED and infant safe sleep.

• A Drug Free Communities Youth Coalition was formed with 30 youth representing all school districts from across the county.
Women, Infants, & Children (WIC)

- Nutritional and Breastfeeding Education
- Height and weight checks
- Referrals to services
- Supplemental healthy food assistance
- Average 2,800 participants a month

WIC is the Special Supplemental Nutrition Program for Women, Infants and Children. It is a fundamental part of Ohio’s public health system. WIC services address WIC’s most important goal: prevention of nutrition-related health problems.

WIC is a proven effective health care program, and has provided significant health benefits to participants: (1) Improves pregnancy outcomes by referring participants to support services necessary for full-term pregnancies (2) Reduces infant mortality by reducing the incidence of low birth weight babies (3) Provides infants and children with a healthier start in life by improving poor or inadequate diets through nutrition education, and the provision of nutritious foods to support a healthy diet.

The Erie-Huron WIC Program serves families in Erie and Huron Counties as a dual-county project. Our offices in Sandusky and Norwalk operate Monday-Friday and each Wednesday, we provide services at the Vermilion YMCA. WIC services include: (1) Nutrition and breastfeeding education and support from a Registered Dietitian or Registered Nurse (2) Height and weight checks as well as other health screenings to inform, educate and empower participants about their health issues (3) Referral to health care providers and community programs. WIC collaborates within the Erie County Community Health Center to link participants to a medical and dental home, and encourage parents and caregivers to keep up-to-date with immunizations (4) Highly nutritious foods providing key nutrients to supplement a healthy diet, such as milk, eggs, fruits, vegetables, and whole grains (5) Access to the Farmers Market Nutrition Program to obtain fresh produce from our local Farmers Markets.

Research has shown that there is no better food than breastmilk for a baby’s first year of life. Breastfeeding provides many health, nutritional, economical, and emotional benefits to mother and baby. Since a major goal of the Ohio WIC program is to improve the nutritional status of infants and children, women participating in the WIC program are encouraged to exclusively breastfeed their infants. For women who are unable to breastfeed their infants, WIC can provide formula to infants birth to one year of age.
Who is Eligible? Pregnant and breastfeeding women; non breastfeeding postpartum women; infants, birth through 12 months; and children 1 to 5 years of age who are: (1) Present at the clinic appointment and able to provide proof of identity (2) Residents of Ohio (3) Income eligible – 185% of Federal Poverty Income Guidelines (4) At medical/nutrition risk based on health and diet information assessed by a health professional at the time of certification.

The Erie-Huron WIC Program educates the participants with Infant Safe Sleep information and refers participants to the Happiest Baby on the Block program. Happiest Baby on the Block teaches parents how to calm and soothe their babies, which improves quality of sleep. The Erie-Huron WIC Program aims toward increasing participation among 3-5 year olds. The Erie-Huron WIC Program will continue sending birthday postcards to current participants on their first birthday. The postcard lets the parent know that their child is eligible for WIC services until age 5.

<table>
<thead>
<tr>
<th>Average number of WIC participants per month:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Erie County</td>
<td>1,457</td>
</tr>
<tr>
<td>Huron County</td>
<td>1,342</td>
</tr>
<tr>
<td>Erie/Huron Total</td>
<td>2,799</td>
</tr>
<tr>
<td>Breastfeeding rate among WIC participants</td>
<td>57%</td>
</tr>
<tr>
<td>Pregnant women who received breastfeeding education</td>
<td>351</td>
</tr>
<tr>
<td>Families that utilized the Farmers Market Nutrition Program (FMNP):</td>
<td></td>
</tr>
<tr>
<td>Erie County</td>
<td>58% of coupons redeemed</td>
</tr>
<tr>
<td>Huron County</td>
<td>50% of coupons redeemed</td>
</tr>
<tr>
<td>Total FMNP participation</td>
<td>940 participants</td>
</tr>
<tr>
<td>Vendors in Erie/Huron Counties</td>
<td>9</td>
</tr>
<tr>
<td>Roadside Stands in Erie/Huron Counties</td>
<td>6</td>
</tr>
<tr>
<td>Erie County vendors received $822,934.98 for redeemed WIC foods.</td>
<td></td>
</tr>
<tr>
<td>Huron County vendors received $880,560.95 for redeemed WIC foods.</td>
<td></td>
</tr>
</tbody>
</table>
American Red Cross Babysitter Training Class

The Erie County Health Department developed and conducted Babysitter’s Training Courses providing youth ages 11-15 with the knowledge and skills necessary to safely and responsibly give care for children and infants. The training followed the curriculum of the American Red Cross Babysitter’s Training, which includes how to develop leadership skills, how to develop a babysitting business, how to keep themselves and others safe, basic child care, and how to perform first aid, including infant and child CPR/AED. The course is taught by an employee at ECHD, who is a certified First Aid/CPR/AED Instructor as well as a Babysitter’s Training Instructor. This training course was supported by a grant from the Wightman-Wieber Charitable Foundation.

During 2016, ECHD has taught three Babysitter’s Training courses and certified 22 youth in Pediatric CPR/First Aid/AED and Babysitter’s Training. These classes were held at both ECHD and the Boys and Girls Club Teen Center.

Walk with a Doc

Just Walk, a Walk with a Doc community walking program is a community collaboration providing residents and visitors weekly opportunities to enjoy safe, convenient group walking events. Local physicians volunteer their time to provide brief health information and lead the walkers in their physical activity session. From May through August, 16 scheduled walks encouraged 68 participants to become more active and get moving.

Nutrition Education

The Discover MyPlate curriculum was presented to 571 students in area elementary schools. The nutrition sessions included fun, interactive activities teaching children the fundamentals to healthy eating. Students learned about the five food groups and why eating healthy is important. Each student received their own plate to take home and practice what they learned.
**Reducing Tobacco Use Through Policy, Education and Enforcement**

New for 2016, ECHD received an Ohio Department of Health grant to improve and expand smoke-free policies within the City of Sandusky and Perkins Township. Staff assist community partners such as housing authorities, schools, employers and others to create, improve and implement smoke-free policies in the community.

The Community Health Division staff monitor reports and investigate potential violations to the Smoke-Free Workplace laws. Since 2007 when the law was passed, reports of violations have continued to decrease. In 2016, 12 reports were filed based on suspected violations. After investigation, none of these reports resulted in violations.

- Erie County adult and youth smoking rates have continued to slowly decline.
- As reported in the 2015 Erie County Community Health Assessment, 20% of Erie County adults are smokers.
- Even better news . . . ONLY 6% of Erie County youth ages 12 - 18 are smokers.

![Graph showing complaints, investigations, and violations from 2007 to 2016.](image)

**211 Information and Referral Program**

211, the county information and referral program received 1,953 calls from individuals in need of assistance in 2016. Of those calls, the top reasons for assistance included: housing/shelter assistance, utility payment assistance, health care and mental health assistance and food assistance. Approximately 82% of calls came from individuals in need of assistance within the city of Sandusky.
Healthy Life Styles Program
The Healthy Life Styles Program was presented to several groups in 2016. The members of the Erie Shore Network in Sandusky participated in weekly sessions where they learned about appropriate preventive screenings, healthy eating, physical activity tips and recommendations, and much more. The second group was an open forum held twice a month at the Sandusky Artisans Recovery Resource Center. Participants set healthy life style goals, learned about nutrition labeling, physical activity and stress reduction. Positive outcomes have included weight loss, increase physical activity and healthier eating. The Boys and Girls Club Teen Center members also participated in weekly programming that included topics on infant safe sleep, good nutrition, reduced sugared beverage consumption and positive self esteem.

Injury Prevention and Safety
Falls are the leading cause of injury-related hospitalization and death among Ohioans aged 65 and older. For each year since 2012, more than 1,000 Erie County adults age 65 and older reported to an emergency department with an injury caused by a fall. A fall can cause a serious hip fracture, broken bone or head injury, which can lead to hospital stays, disability, loss of independence, and even death. In Ohio, an older adult falls every two minutes, resulting in an injury every 5 minutes, six emergency department visits per hour, and three fatal falls per day.

According to the CDC, the U.S. older adult population is expected to increase by over 50% in the next fifteen years. By 2030, it is expected that over 49 million falls and 12 million fall injuries will occur. The annual cost to treat falls will also increase.

The Erie County Older Adult Falls Coalition is comprised of 24 members representing 14 agencies in Erie County. The mission is to reduce falls and fall-related injuries through collaboration, awareness, education, and evidence-based strategies. During 2016, the Coalition made significant strides in increasing awareness and developing the capacity to make necessary environmental and policy changes.
• **Activities and Impacts:** The Coalition held four meetings in 2016 and leveraged over $23,000 to support injury prevention activities, including the 2nd Annual National Falls Prevention Awareness Day Walk.

• **Home Modifications:** The Erie County Health Department and Serving Our Seniors have partnered together to complete a total of 12 home modifications, including installation of grab bars and handrails. The Home Modification program has also distributed 30 home modification supplies, including raised toilet seats, transfer benches, baths mats, shower chairs and grab bars.

• **Physical Activity Programs:** Erie County offers two evidence based exercise programs to older adults, including Matter of Balance and Tai Chi. One Matter of Balance Master Trainer and 3 Matter of Balance Coaches were trained during 2016. Tai Chi is offered throughout Erie County reaching over 100 individuals! Yoga and Silver Sneakers are also offered in Erie County.

According to the US Census Bureau, in 2015, 20% of Erie County’s total population is comprised of adults aged 65 and older; an increase from the 2010 census where 17% of the total population were aged 65 and older. With the baby boomer generation beginning to reach into their mid-sixties, this number will increase in the future.
Partners for Prevention of Erie County

Formed in 2009, Partners for Prevention of Erie County focuses on issues surrounding alcohol, tobacco, prescription medication and other drug use and how it affects youth. In 2014, the coalition received a federal Drug Free Communities support grant of $125,000 annually for a five-year period. During this time, the coalition expanded its mission and vision to include three main areas of prevention:

- **Drug Free Communities** - alcohol, tobacco, prescription medication and other drug use prevention in youth
- **Safe Communities** - activities related to reducing traffic crash fatalities in Erie County
- **Injury Prevention** - relating to the prevention of falls in older adults

The PPEC meets quarterly in March, June, September and December to plan and discuss strategies.

Partners for Prevention of Erie County was extremely active in the community in 2016 providing the community with education, and raising awareness on youth substance use, seat belt safety, impaired driving, distracted driving, motorcycle safety and injury prevention of older adults. Below highlights the activities used by PPEC to affect the community in hopes of changing behavior that could lead to harm, and/or death.

**Drug Free Communities**

The Drug Free Communities program seeks to prevent and reduce youth drug use through policy and environmental change strategies.

**Results from 2016 efforts:**

- Conducted 4 coalition meetings recruiting approximately 20 new members
- Successfully recruited and trained 30 new youth members into coalition
- Trained and provided resources to Sandusky City Schools, and Berlin-Milan Middle School staff to implement LifeSkills curriculum within the schools
- Coalition staff attended three (3) separate trainings including the Community Anti-Drug Coalitions of America’s week-long Mid-Year Institute to enhance prevention skills for reducing drug use
- Law enforcement conducted alcohol compliance checks on 50 local retailers – five (5) retailers sold to minors (90% compliancy rate)
- Conducted drug prevention presentations to the 5th grade, and high school classes at Sandusky City Schools (500+ students)
- Coordinated collection and proper disposal of 1,300 pounds of expired and or unused medication in a total of 5 locations around Erie County

1,300 pounds of medication taken off the streets of Erie County in 2016
Safe Communities
The Safe Communities program looks to reduce traffic crash fatalities in Erie County through impaired driving, distracted driving, seat belt, and motorcycle safety awareness initiatives.

Results from 2016 efforts:
• Conducted four Fatal Crash Data meetings to review traffic crash fatalities and to identify countermeasures to improve safety
• Adopted the Motorcycle Awareness and Prevention Program (MAPP) to increase education and awareness on motorcycle safety (30+ people reached)
• Organized and conducted several traffic safety initiatives including Senior Safety Day/CarFit, EHOVE Safety Day, Townsend School Safety Day, high school seat belt challenges, and seat belt safety and policy presentation at the Sandusky Area Safety Council (2,000+ people reached)
• Radio/Media broadcasts (120,000 impressions)
• Outreach to bars and restaurants (8 trips and 120,000+ traffic safety materials distributed) for awareness during holiday travel times
• Coalition staff attended several trainings held by the Ohio Traffic Safety Office

Community Health Improvement Plan
The Erie County Chooses Healthy Living Steering Committee met on a monthly basis throughout 2016. The group thoroughly reviewed the 2015 Erie County Community Health Assessment results as well as other local data and determined the top health priorities for the community. The group not only identified the top health concerns but also looked at what if anything was already being done to tackle the concerns. Health priorities already being addressed by others were recognized but not included as a priority in this Health Improvement Plan.

The Erie County Community Health Improvement Plan will be finalized in early 2017, identifying goals, objectives and community strategies aimed at:
  1) Unifying the community behind “Choosing Healthy Living”
  2) Reducing youth obesity rates through increased physical activity, increased fruit and vegetable consumption and decreased consumption of sugared sweetened beverages.
  3) Reducing adult obesity rates through increased physical activity, increased fruit and vegetable consumption and decreased consumption of sugared sweetened beverages.
  4) Reducing the rate of smokers and the number of residents/visitors, including children, exposed to second-hand smoke.
  5) Supporting local mental health initiatives aimed at raising awareness, education and collaborative approaches to increasing services.

Anyone interested in being part of an action team should call or email Jeanie Wertenbach, Director of Community Health at 419-626-5623 extension 172 or jwertenbach@ecghd.org.
The Office of Epidemiology and Surveillance

- Study of the distribution and determinants of disease in a population
- Bioterrorism Preparedness
- Emergency Department Visits
- Over-the-Counter Pharmaceuticals

The Office of Epidemiology and Surveillance is responsible for monitoring the patterns, causes and effects of health conditions throughout the community. The purpose of epidemiologic surveillance is to observe the health status of the community by investigating and containing emerging health issues. The Office of Epidemiology and Surveillance routinely monitors several electronic databases in order to detect unusual increases of disease in the community. The rates of school absenteeism, emergency room department visits and over-the-counter pharmaceutical purchases within the community are most commonly used for this purpose. In 2016, the Erie County Health Department investigated 42 unusual emergency room visit events.

Erie County Plans:

- Community Containment Plan
- Davis-Besse Nuclear Power Station Emergency
- Continuity of Operations
- Emergency Response Plan
- Exposure Control Plan
- Office Site Recovery Plan
- Safety & Health Manual Mass Fatality Plan
- Computer Disaster Plan
- Mass Dispensing Plan
- Weapons of Mass Destruction
- Emergency Procedure Guidelines
- MARCS Radio Policy Strategic Plan
- Pandemic Flu Plan
- Epidemiological Response Plan

The Office of Epidemiology and Surveillance is also responsible for reporting and investigating infectious diseases that pose a major public health concern to the community. Hospitals, laboratories and health care providers are required by Ohio law to notify the Erie County Health department when a reportable disease is diagnosed or suspected. The Erie County Health department then investigates the case and takes the necessary follow up action required. In 2016, the Office of Epidemiology and Surveillance investigated six outbreaks, five of which were gastrointestinal. Law enforcement regarding isolation, informing and educating people about their illness, linking people to appropriate health services and conducting research regarding risk factors and transmission are all examples of common follow actions.
A total of 938 cases of reportable infectious disease were investigated by The Office of Epidemiology and Surveillance, compared to 847 cases in 2015. The three most commonly reported infectious diseases in 2016 were Chlamydia, Gonorrhea and Hepatitis C. Chlamydia and Gonorrhea are both sexually transmitted bacterial infections, while hepatitis C is a viral infection spread by blood-to-blood contact with an infected person.

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlamydia</td>
<td>445</td>
<td>378</td>
</tr>
<tr>
<td>Gonorrhea</td>
<td>166</td>
<td>180</td>
</tr>
<tr>
<td>Hepatitis C</td>
<td>169</td>
<td>160*</td>
</tr>
</tbody>
</table>

* case definition change

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campylobacter</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>Cryptosporidium</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Giardia</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Hepatitis A</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Salmonella</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Shigella</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>
DIVISION OF CONSTRUCTION PROGRAMS

The Division of Construction Programs is designed to provide immediate response and solutions to our residential and commercial building industries. This division offers on-site training, assistance, consultations and inspections for residential plumbing, commercial plumbing and manufactured home installation inspections and the emerging “Healthy Homes” program, which works to eliminate lead poisoning, radon, mercury, mold, moisture and asthma triggers.

Plumbing Inspection Program
The first Board of Health established in Erie County was on January 21, 1882. The multiple cholera epidemics combined with typhoid fever and small pox prior to 1882 established the need for the control of epidemic disease. Many of the diseases are associated with poor sanitation and water conditions. The plumbing system in a structure consists of two systems, drainage/venting and water supply. The drainage/venting systems protect us from the disease causing waste and the water supply system ensures that the potable water delivered to the fixtures is safe for consumption. The plumbing program ensures the systems installed in structures comply with state codes, which protects the health of the citizens.

Commercial plumbing inspections, permits and revenue increased significantly in 2016. This increase is attributed to the contracts that were established in 2014 and 2015 with the health districts in Sandusky, Seneca, Wyandot and Hardin Counties. Residential plumbing inspections have remained steady and new home permits have gained steadily.

The plumbing program issued 175 commercial plumbing permits, 104 residential plumbing permits and 26 water heater replacement permits in 2016 for a grand total of 305 permits issued. We had 101 plumbing contractors registered with us in 2016 and training for 340 licensed plumbing contractors received 758 hours of continuing education units that apply towards their state plumbing license. Our plumbing inspection program conducted 426 on-site commercial plumbing inspection and 139 residential inspections for a grand total of 565 on-site plumbing inspections in 2016. We invested 2,912 hours conducting plumbing program activities in 2016.

Our total revenue collected from all plumbing program services/activities was $185,719.00.

Manufactured Home Installation Inspection Program
In 2016, our agency applied for “Third Party Inspection Agency” status with the Ohio Manufactured Homes Commission and received our certification notification April 25, 2016, with the new certification we are no longer limited to only Erie, Huron and Lorain Counties. Our program now services 11 Counties with a combined population of 867,253 and covering 5,809 square miles which significantly increases our potential for growth.
Healthy Homes
In July of 2016 we were awarded a Lead Based-Paint Hazard Control (LBPHC) grant from U.S. Housing and Urban Development for $1,650,000 which included a $150,000 Healthy Homes component. This additional Healthy Homes money must be used in conjunction with projects already approved/enrolled in the lead based-paint hazard control grant. We are currently accepting applications for the LBPHC grant and expect to be awarding projects shortly.

The Healthy Homes program has reached an estimated 66,450 individuals through it’s outreach and education activities. In addition to the normal radio, TV and newspaper articles, our staff gave 22 presentations at numerous venues which provided a more specific educational opportunity. Unfortunately, our staff conducted 13 public health lead investigations associated with a lead poisoned child living in Erie County, the investigations are designed to locate the lead hazards that may be the source of the lead poisoning. Our certified radon testers conducted seven continuous radon monitor tests on homes needing additional testing due to initial elevated radon levels detected in the home.

HUD Lead Grant
The HUD Lead Grant is a lead poisoning prevention program.

- Conduct lead-based paint remediation in homes where children are present
- Children aged 6 and under and children living in households below the poverty level are most at risk
- There is no safe blood lead level in children

In 2016, the Erie County General Health District was awarded $1,650,000 through the HUD Lead Based-Paint Hazard Control (LBPHC) Grant. The main purpose of the grant is to reduce lead based-paint hazards in housing occupied by pregnant women and/or children under 6 years of age in households of low to moderate incomes.

The communities of Erie and Lorain Counties will benefit from the Lead Based-Paint Hazards being removed from 80 homes and Healthy Homes strategies implemented on 32 homes.
Childhood Lead Poisoning

Figure 1. Erie County Health District. This choropleth map depicts the predicted probability of blood lead levels ≥ 5 μg/dL by census tract. Darker census tracts indicate greater predicted likelihood of children with blood lead levels ≥ 5 μg/dL.

Legend
Predicted Probability of BLLs ≥ 5
- <6.5%
- 6.5% - 11.4%
- 11.5% - 18.2%
- 18.3% - 27.3%
- ≥27.3%

All figures depict the predicted proportion of children, less than six years of age, whose blood-lead concentration is equal to or exceeds 5 μg/dL. These estimates were obtained from a lead risk model developed by The Ohio State University Statistical Consulting Service in conjunction with the Ohio Department of Health Healthy Homes and Lead Poisoning Prevention Program. 2010 Census and 2011 American Community Survey housing and demographic data were incorporated as potential predictors, and the model was fit to 2007-2011 blood lead testing data for children less than six years of age. In an effort to avoid issues of collinearity, stepwise selection was used to determine the final set of predictors.
Childhood Lead Poisoning

2012 – Number of Children Tested and Number of Elevated Blood Lead Levels (EBLs)

<table>
<thead>
<tr>
<th>Result Category</th>
<th>Total Children Screened</th>
<th>&lt; 5 µg/dL</th>
<th>5 - 9 µg/dL</th>
<th>10 - 14 µg/dL</th>
<th>15 - 19 µg/dL</th>
<th>20 - 24 µg/dL</th>
<th>≥25 µg/dL</th>
<th>Total Confirmed EBLs</th>
<th>% EBLs</th>
<th>Unconfirmed EBLs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erie County</td>
<td>481</td>
<td>457</td>
<td>18</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>1.25%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Total</td>
<td>154,460</td>
<td>145,074</td>
<td>7,482</td>
<td>900</td>
<td>377</td>
<td>165</td>
<td>165</td>
<td>1,557</td>
<td>1.01%</td>
<td>327</td>
</tr>
</tbody>
</table>

Data in the table above represent 2012 testing of children, less than 72 months of age, obtained from the Healthy Housing and Lead Poisoning Surveillance System at the Ohio Department of Health. Blood lead levels are the highest confirmed, or highest unconfirmed (if no confirmatory test was obtained) for each child. Blood Lead Levels considered EBLs in 2012 are shown in red.

At-risk housing

In 1978, the use of lead in residential paint was banned. Even today, lead-based paint is the primary source of exposure for children with elevated blood lead levels. Lead in paint often occurred at higher concentrations prior to 1950 and poses an even greater risk.

At-risk children

Children, less than six years of age, have rapidly developing brains and significant turnover in bone tissue placing them at an increased risk to the effects of lead exposure.

Who is at risk/Who should be tested?

Children, less than 6 years of age, are most susceptible to the effects of lead poisoning. Lead is a neurotoxin and children at this age have rapidly developing brains. Children enrolled on Medicaid are required to be tested at ages 1 and 2 and before age six if they have no previous test on record. Additionally, any child living in a zip code deemed to be at high risk for lead exposure and poisoning should be tested (see High Risk Zip Codes on back of the Lead Testing Requirements and Medical Management Guidelines). For all other children, a set of risk assessment questions should be used to determine whether the child should receive a test. Any answers of “yes” or “don’t know” warrant blood lead testing for children, less than six years of age. The questions are listed below:

Ask the parent seven key questions to assess risk.

- Does your child live in or regularly visit a house built before 1978 that has peeling, chipping or chalking paint or recent, ongoing, or planned renovation/remodeling? This includes child care centers, preschools, or homes of a baby sitter or relative.
- Does your child live in or regularly visit a home built before 1960?
- Does your child have a sibling or playmate who has or did have lead poisoning?
- Does your child frequently come in contact with an adult who has a hobby or works with lead? Examples are construction, welding, pottery, painting, and casting ammunition.
- Did the child’s mother have known lead exposure during her pregnancy of the child?
- Is the child or his/her mother an immigrant, refugee, or is the child adopted from a foreign country?
- Does your child live near a lead smelter, battery recycling plant, or other industry known to release lead (activist/flower)?

Resources

- For Medical Management Guidelines and a listing of high risk zip codes, see: ODH [www.odh.ohio.gov](http://www.odh.ohio.gov), Search: Lead
- NIOSH [http://www.cdc.gov/niosh/topics/lead/](http://www.cdc.gov/niosh/topics/lead/)
- CPSC [http://www.cpsc.gov](http://www.cpsc.gov)

If you have interest in using the data/maps on the flip side of this sheet to further depict areas of risk, please contact Tyler. seaphin@odh.ohio.gov.
DIVISION OF ENVIRONMENTAL HEALTH

During 2016, the Environmental Health Division supported the 10 Essential Public Health Services by educating the regulated public and monitoring public health measures. This division is dedicated toward the prevention of illness and injury. This is done through education when conducting regulatory program services.

The Environmental Health staff is highly trained and credentialed to provide the operators, community members and visitors of Erie County with professional quality service. Some of the credentials this staff has includes: Registered Sanitarian, ServSafe Instructors, ServSafe Proctors, ServSafe Managers, Certified Pool Operators, Certified Pest Applicators, Wastewater Class A Operator, Professional and Municipal Stormwater Management Certification, Ohio EPA Laboratory Analysts for Potable Water Microbiology, Food Safety Inspection Officer (certified by FDA), State Certified Lead Risk Assessors, Ohio EPA Certified Operator Wastewater 2 and Ohio EPA Certified Operator Water 3.

The newest addition to the Environmental Health division was the construction of our Regional Response Water Lab at the end of 2016. It has positioned our department to provide essential services to the health district and our surrounding counties. Creating a local presence on the Northwest shore of Lake Erie, has provided a regional resource for environmental raw water sampling, including Harmful Algal Blooms.

**Environmental Health Program Hours**

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
<th>Program</th>
<th>Hours</th>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabies Control</td>
<td>245</td>
<td>Pool &amp; Spa</td>
<td>539</td>
<td>Private Water</td>
<td>150</td>
</tr>
<tr>
<td>Camp and RV Park</td>
<td>71</td>
<td>School</td>
<td>77</td>
<td>Harmful Algal Bloom</td>
<td>33</td>
</tr>
<tr>
<td>Food Safety</td>
<td>5969</td>
<td>Sewage Program</td>
<td>1990</td>
<td>Storm Water Mgt./IDDE Contract Work</td>
<td>89</td>
</tr>
<tr>
<td>Vector Control</td>
<td>224</td>
<td>Solid Waste</td>
<td>363</td>
<td>Beach</td>
<td>927</td>
</tr>
<tr>
<td>Housing Complaints</td>
<td>148</td>
<td>Tattoo &amp; Body Piercing</td>
<td>75</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Food Protection

The Food Protection Program is the largest program in the Environmental Health Division, with a total of 5,969 hours spent in 2016. It comprises a total of 833 licensed food service facilities that include 90 vending machine locations. In addition, there are 138 seasonal facilities, including 60 mobile food establishments. The remaining 545 licensed facilities are your typical food service operations with annual or biannual inspections, such as restaurants, grocery stores, gas stations, schools, hospitals, nursing homes, and hotel kitchens.

Besides the 833 licensed food facilities, our agency also inspected 115 Temporary Food Service Operations. Temporary Food Services are licensed for one to five days and are typically seen at fairs, festivals, and sporting events. Sanitarians inspect for health and safety hazards, perform complaint inspections, and analyze the facility for potential risk factors that may contribute to possible foodborne illnesses including: verifying that food comes from approved sources, employee poor personal hygiene, contaminated equipment or utensils, improper cooking temperatures, and improper cold/hot holding temperatures.

The program has taken a proactive role in providing food safety training for food employees who are now required to have one staff member certified in a Level Two Course. In 2016, 99 food services employees received training in English and Spanish through our Level One Food Safety Course, and 180 food service employees received ServSafe Certification in our Level Two Course.

In 2016, the agency received two grants from AFDO (Association of Food and Drug Officials) for the food safety program, which brought $6,000 grant dollars to the food program for staff training, and inspection standardization tools. We were also recently informed that we are receiving an additional $23,000 in AFDO grant money for the 2017 year for employee training.

<table>
<thead>
<tr>
<th>Political Subdivision</th>
<th>Hours</th>
<th>Inspections/Interactions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayview</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Bellevue</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Berlin Heights</td>
<td>30</td>
<td>33</td>
</tr>
<tr>
<td>Berlin Twp.</td>
<td>40</td>
<td>35</td>
</tr>
<tr>
<td>Castalia</td>
<td>46</td>
<td>44</td>
</tr>
<tr>
<td>Cedar Point</td>
<td>211</td>
<td>343</td>
</tr>
<tr>
<td>Florence Twp.</td>
<td>26</td>
<td>20</td>
</tr>
<tr>
<td>Groton Twp.</td>
<td>10</td>
<td>16</td>
</tr>
<tr>
<td>Huron City</td>
<td>178</td>
<td>216</td>
</tr>
<tr>
<td>Huron Twp.</td>
<td>292</td>
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Water Quality Program

During the 2016 bathing beach sampling season, the Erie County Health Department continued to sample 25 bathing beach locations four times per week starting May 23, 2016 and ending September 1, 2016. This department collected 1,417 beach samples. We continue to run predictive models using weather data at Huron West (Nickel Plate Beach) and Vermilion West (Main Street Beach). In 2016, we were able to predict the water quality results correctly at Huron West 77% percent of the time and at Vermilion West 82% of the time. Predictive models allow for same day results versus the traditional E. coli laboratory test which takes a minimum of 18 hours. This year’s predictive models had the highest predictive accuracy since we have started modeling at the beaches.

The Erie County Health Department works with local political subdivisions, and the Erie Soil Water Conservation District to meet certain EPA rules and regulations to protect watersheds and minimize the impact from storm water runoff. Some activities we perform include the mapping of storm water outfalls and catch basins, identification and correction of illicit discharges, and providing education to increase awareness on the impacts of storm water.

In 2016, we continued to monitor the Harmful Algal Bloom of microcystis that spread across the western basin of Lake Erie. We have continued to work with our water plants operators and water distributors to ensure safe drinkable water is available to Erie County residents and its visitors.

Environmental Health Division. The labs allow our agency to process water quality samples for recreational, drinking, and waste water samples at our agency. In Lab #1 we will run tests like Total Coliform MMO_MUG and Quanti-tray for drinking water using Colilert 18. In Lab #2 we will run Total Coliform (E. coli) Quanti-Tray for beaches and wastewater. We will also run CBOD, Total Suspended Solids, Ammonias, Chlorines, Dissolved Oxygen for wastewater. In Lab #3 we will be running total Microcystins toxins for drinking water and recreational waters. This is the toxin produced by Harmful Algal Blooms and can cause illness in people and animals. In the Environmental Health Division, these laboratories will work hand in hand with the Water Quality Programs that the Health Department already has in place. We can also help out municipalities, villages, rural water companies, soil and water and other Health Departments with any of their testing needs. In the cases of drinking water samples and beach samples like E. coli and Harmful Algal Blooms Toxins, the labs will give us faster test results so we can have a faster reaction time that will help to keep the public informed and safe.

Private Drinking Water

The Erie County Health Department issues permits for residents of Erie County who have their own private water systems such as a well or hauled water storage tank. These systems are permitted during installation and are inspected/tested for safety. Since most of Erie County has access to a public water source very few permits are issued. In fact, in 2016, only four new systems were permitted. A majority of the work in this program is performed on existing systems and real estate surveys for the sale of a home.
2016 Beach Ratings by Category

Regional Response Water Lab Testing Parameters

Waste Water
- E. coli
- Dissolved Oxygen
- Total Suspended Solids
- Ammonia
- CBOD
- Chlorine

Recreational Water
- Total Coliform Bacteria Counts
- Harmful Algal Boom Identification
- Microcystin Toxin

Drinking Water
- Total Coliform Bacteria Positive Negative
- Total Coliform Bacteria Counts
- Microcystin Toxin
Public Pools

The Environmental Health Division staff has oversight over 160 public swimming pool and spas in the district. Five hundred thirty nine hours of time was spent in this program last year. Three hundred fifty routine inspections and consultations were performed by our staff. During these visits, health department staff enforce regulations that focus on protecting the public’s health and safety which include items related to water quality, indoor air quality, equipment maintenance, and facility safety. The department also investigates and responds to potential waterborne recreational illnesses that may occur at these licensed facilities. In 2016, the department assisted in the inspection and licensing of multiple newly constructed pool facilities.

Environmental Health Sanitarians must take into consideration that each facility possesses unique factors which often influence how a facility operates including: environmental setting (indoor vs. outdoor), function of the facility (water park/hotel/school), and unique designs (special features). These factors are taken into consideration during inspections and discussed with pool and/or spa operators during inspections. Department staff also provides educational opportunities to operators of licensed pool/spa facilities to inform them any potential regulations changes or to discuss other emerging issues that are pertinent to their industry. Data from 2016 inspections show the most prevalent violations were associated with (1) frequency of water testing by operator (2) pH of water out of range (3) low free chlorine level (4) low alkalinity level (5) incomplete record keeping by operator.
Sewage Program

The Sewage Treatment System (STS) Program is comprised of private STS, small-flow STS and commercial (semi-public) STS. The purpose of the STS program is to ensure that all STS that are newly installed, repaired, altered, replaced or existing do not represent a significant contamination hazard for our surface and underground water supplies. This is accomplished through inspections, education and the enforcement of laws and regulations to protect health and ensure safety. Inspections are used to ensure compliance, diagnose health concerns and investigate possible nuisances. Education is provided through public meetings, site evaluations and one-on-one consultations with the public.

In 2016, this department conducted 58 site reviews and issued 94 sewage permits for new, replacement, altered or abandoned STS and 246 operational permits were issued for the semi-public program. The department helped nine homeowners with failing sewage systems by linking them with grant money which paid for the replacing their sewage treatment system. An additional $225,000.00 was also secured to provide financial assistance for the replacement of an additional 18 failing sewage treatment systems.

The success and funding of the Bay View Sanitary Sewer Project requires the abandonment of existing sewage treatment systems. Forty-seven sewage system abandonment permits were issued in 2016. The scope of the Bay View sewer project will result in abandoning approximately 300 sewage systems by the end of 2017; this project will have long lasting positive effects on water quality of Sandusky Bay!

The Environmental Health Division offered training opportunities to its 56 registered contractors that work in the sewage program. This training was also attended by contractors from five adjacent counties.
**Campgrounds**

Erie County’s 21 campground facilities provide county residents and visitors the opportunity to connect with unique resources available in the form of multiple rivers, Sandusky Bay and Lake Erie. This department inspects R.V. Parks, Recreational Camps and Combined Park Camps. These inspections primarily focus on issues related to injury and disease prevention, such as disposal of solid or liquid wastes, protection of water used for drinking or cooking purposes and elimination of any hazardous conditions.

During the past year, this department reviewed backflow prevention device requirements with our campground operators to ensure proper operation, design and placement to protect the main water supply from contamination. In addition, our division focused its inspections on campsite density to ensure that sites comply with the Ohio Administrative Code rules regarding spacing requirements for both fire safety and overall sanitation.

**Rabies Control**

Our department investigates all animal bites, scratches, and other forms of exposure involving both domestic and wild animals throughout Erie County. The purpose of the rabies program is to ensure that a person does not contract the rabies virus following an exposure caused by an animal. While very rare in the United States, the rabies virus attacks the central nervous system and can be potentially fatal if not treated immediately. Although this is a rare disease, there is a preventative vaccine available and it is also 100% treatable by a medical professional when the treatment is given prior to the onset of symptoms.

- All 6 tissue specimens sent to the lab for testing came back negative for rabies.
- All animals that were quarantined for a period of 10 days survived.
- Five people completed the post exposure prophylaxis for rabies.

**Solid Waste Facilities**

The Erie County Health Department is approved by Ohio EPA to license and register solid waste facilities in Erie County. These solid waste facilities consist of compost facilities, landfills, and solid waste transfer stations. Most facilities require a quarterly inspection for compliance with solid waste rules. Being an approved Health Department to perform these inspections allows our agency to respond to complaints and perform inspections in a timely manner. In 2016, 26 standard inspections were performed at these facilities as well as several complaint inspections and on-site consultations.

The Erie County Health Department has also continued to partner with the City of Sandusky to inspect solid and bulky waste haulers who service the city. In 2016, our agency performed 30 inspections for six companies who are registered to haul solid waste in Sandusky City.
Vector Control
Sanitarians certified as Pest Control Applicators provide several methods for controlling vectors within the county. The vectors we aid in controlling are primarily mosquitoes and rats. Mosquitoes are controlled using a granular larvicide that can be hand applied to low lying areas that retain water for longer than five days during mosquito season. This product interrupts the life cycle of the larval form of the mosquito and prevents them from maturing into adult mosquitoes capable of feeding off of humans. This product is only harmful to the targeted insect species and causes no adverse health reactions to people or pets. This year was an abnormally dry year and very little mosquito control measures were taken compared with previous years. The goal of larviciding is to help control mosquito populations to prevent mosquito-borne diseases such as West Nile Virus and different forms of encephalitis.

In 2016, our agency received a $13,474 grant from the Ohio EPA to spend on mosquito control and education. The money was used to purchased larvicide products, personal protective equipment, educational commercials, educational fliers, time for a part time employee, and mosquito repellent for the public.

To control rat populations our agency uses a rat bait that withstands harsh weather conditions which allows outside application in approved areas. The need to control rat populations is to prevent a wide variety of diseases that can be spread by these animals.

Public Health Nuisance Abatement
The Erie County Health Department nuisance program was created to enforce the laws and regulations of the International Property Maintenance Code. This code is used to both enforce county regulations and educate our community on the impact nuisances can have on public health. This program covers a wide variety of public health nuisances. The type of nuisances that we investigate typically deal with bulk trash and waste, housing complaints, vector complaints, and sewage related complaints.

- Of the 187 nuisance complaints, 167 have been abated
- In 2016, we were able to abate 89% of all nuisances received
- 20 nuisances are still under investigation from 2016
Partner Agencies

- Bayshore Counseling Services
- Buckeye Broadband
- Cancer Services
- Care and Share Food Pantry
- Erie County Community Health Center
- Erie County Health Department
- Erie County Human Resources
- Family and Children First Council
- Firelands Regional Medical Center
- Mental Health & Recovery Board
- OSU Extension – Erie County
- Partners for Prevention of Erie County
- Serving Our Seniors
- United Way of Erie County

ERIE COUNTY

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